

A New Subspecies of *Eurema sarilata* (SEMPER) from Sibuyan Island (Lepidoptera, Pieridae)

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Synopsis A new subspecies of *Eurema sarilata* (SEMPER) is described from Sibuyan Is. under the name of *Eurema sarilata sibuyanensis*. It is distinguished from all the described subspecies by an extremely narrow black distal border on the upperside and a much reduced apical patch on the forewing underside.

Eurema sarilata (SEMPER, 1891) endemic to the Philippines shows marked geographical variation, and was divided into 5 good subspecies (YATA, 1981); *aquilo* SHIRÔZU & YATA, 1982 (= *luzonensis*), *mindorana* (BUTLER, 1898), *risa* MORISHITA, 1982, *sarilata* (SEMPER, 1891), *perplexa* SHIRÔZU & YATA, 1982 (= *bazilana*). Recently we found a remarkable new subspecies of this species from Sibuyan Is. in the junior author's collection. In the present paper we describe the new subspecies.

Sibuyan Island is located in the easternside of the Romblon Group which is surrounded by Luzon, Mindoro, Panay, Negros and Masbate. Although Sibuyan Is. is very interesting from zoogeographical point of view, its butterfly fauna has not been thoroughly studied. Probably many new forms still remain to be described; *Cepora boisduvaliana sibuyanensis* SCHRÖDER, 1977 was the only pierid taxon described from the island.

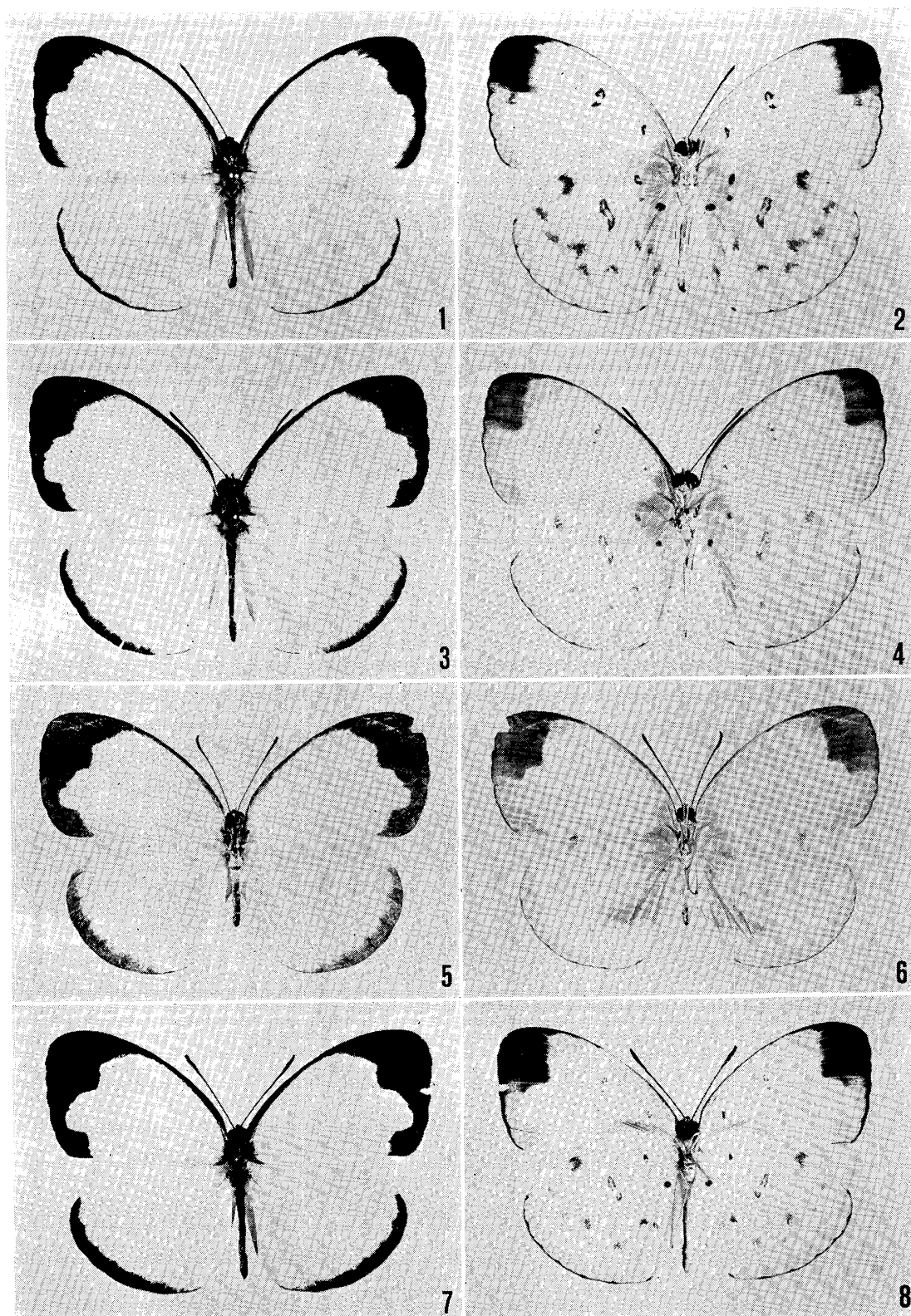
Before going further, we wish to thank to Prof. Emerit. Takashi SHIRÔZU and Prof. Toyohi SAIGUSA of Kyushu University for their kind reading of the manuscript. We also thank to Mr. Etsuzo TSUKADA of Tokyo who loaned us the materials for comparison.

Eurema sarilata sibuyanensis YATA & TREADAWAY, ssp. nov.

This new subspecies is distinguishable from the nominate subspecies *sarilata* from Mindanao by the following combination of characters.

♂ (Figs. 1–4). Upperside ground color somewhat paler; forewing black distal border much narrower, with concaves in spaces 2 and 3 almost confluent with each other forming a large excavation, with its inner edge in space 1 inclined towards the base; hindwing black distal border much narrower (width of hindwing distal border at vein 4 in ssp. *sibuyanensis* $1/12$ – $1/5$ × as long as the distance from origin of vein 4

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Figs. 1-6. *Eurema sarilata sibuyanensis* ssp. nov. (1) ♂, holotype; (2) ditto, underside; (3) ♂, paratype, Mt. Calhoon, Sibuyan Is.; (4) ditto, underside; (5) ♀, paratype, Mt. Sibuyan, Sibuyan Is.; (6) ditto, underside. Figs. 7-8. *Eurema sarilata risa* MORISHITA (7) ♂, holotype, Amlan, Negros; (8) ditto, underside.

to distal margin, while that in ssp. *sarilata* $2/5-1/2\times$), with inner margin almost uniform, not extended along the inner margin of hindwing. Underside marking usually fainter; forewing apical quadrate patch much smaller and tornal spot disappearing.

♀ (Figs. 5–6). Upperside ground color somewhat paler; basal portion not black dusted. Forewing black distal border narrower, with concaves in spaces 2 and 3 almost confluent with each other; hindwing black distal border much narrower (width of hindwing distal border at vein 4 in ssp. *sibuyanensis* $1/4-1/5\times$ as long as the distance from origin of vein 4 to distal margin, while that in ssp. *sarilata* $1/2\times$ or more), with its inner margin more uniform, not extended along the inner margin of hindwing. Underside markings fainter; forewing apical quadrate patch smaller and tornal spot disappearing.

Forewing length: ♂, 19.0–23.5 mm (avg 21.7 mm, $n=11$); ♀, 20.0–24.0 mm (avg 22.1 mm, $n=5$).

Type-locality. Romblon, Sibuyan Is., Mt. Sibuyan.

Geographical distribution: This new subspecies is known only from Sibuyan Is.

Holotype: ♂, Sibuyan Is., Mt. Sibuyan, 13. ii. 1978, T. BORROMEO leg. (Holotype is deposited in TREADAWAY's collection, Frankfurt a. Main).

Paratypes: Sibuyan Is., Mt. Calhoon, 3♂♂, 5–14. v. 1978, C. G. TREADAWAY coll.; Magdiwang, Mt. Guiting-Guiting, 1♂, 18. ii. 1978, 3♂♂ 4♀♀, 7–10. ix. 1980, C. G. TREADAWAY coll.; Mt. Sibuyan, 3♂♂ 1♀, 11. ix. 1980, C. G. TREADAWAY coll. (Paratypes are deposited in the collection of TREADAWAY and in that of the Biological Laboratory, College of General Education, Kyushu University, Fukuoka).

Remarks. This subspecies most closely resembles *Eurema sarilata risa* from Negros (Figs. 7–8), but is distinguishable from the latter by narrower black distal border, especially in the forewing, with concaves in spaces 2 and 3 almost confluent with each other forming a large excavation, and much reduced apical patch on forewing underside.

Reference

- YATA, O., 1981. Pieridae. In TSUKADA, E. (ed.), *Butterflies of the South East Asian Islands*, 2: 205–438, pls. 84. Plapac, Tokyo.

抄 録

シブヤン島産 *Eurema sarilata* (SEMPER) の 1 新亜種 (鱗翅目, シロチョウ科)
(矢田 脩・TREADAWAY, C. G.)

フィリピン シブヤン島から, *Eurema sarilata* の顕著な 1 新亜種 (ssp. *sibuyanensis*) を記載した。本新亜種は, 翅表外縁黒帯が極端に狭いこと, および前翅裏面翅端の方形黒斑が著しく減退する点で, 本種の他の全ての亜種から容易に区別できる。

シブヤン島を含むロンブロン群島は, 動物地理学的に大変興味ある地域であるが, これまで十分に研究されていない。未記載の新種, 新亜種がまだかなり残されているようで, 今後の調査・研究が望まれる。